

WHAT IS CLAIMED IS:

1. A wheel structure wherein a hub of a wheel comprising:
 - a cup-like hub body;
 - a side wall member for closing an opening formed in said hub body;
 - a first bearing disposed on said hub body side and a second bearing disposed on said side wall member side for rotatably mounting said hub relative to an axle;
 - a cylindrical inner collar fitted on said axle for keeping said first and said second bearing spaced from each other; and
 - a cylindrical outer collar for connecting said first bearing to said side wall member, said cylindrical outer collar being positioned to surround said inner collar.
2. The wheel structure according to claim 1, and further including a wheel damper operatively positioned between a driven sprocket and a support member.
3. The wheel structure according to claim 2, wherein said wheel damper includes a rubber member and a plurality of projections are disposed on said support member for selectively engaging said rubber member for mitigating a shock being transferred from the driven sprocket to the wheel.
4. The wheel structure according to claim 2, wherein said cylindrical outer collar includes a stepped portion for engagement with said support member.

5. The wheel structure according to claim 2, and further including a bearing for rotatably mounting the driven sprocket relative to the axle.

6. The wheel structure according to claim 2, and further including a dust seal for operatively sealing said first and second bearing relative to ambient conditions.

7. A wheel structure comprising:

a hub of a wheel including both a cup-like hub body and a side wall member for closing an opening formed in said hub body;

a first bearing disposed on said hub body side and a second bearing disposed on said side wall member side for rotatably mounting said hub to an axle;

a cylindrical inner collar fitted on said axle for maintaining said first and said second bearings to be spaced from each other;

a cylindrical outer collar for surrounding said inner collar, said cylindrical outer collar is connected bridgewise to both said hub body and said side wall member.

8. The wheel structure according to claim 7, and further including a wheel damper operatively positioned between a driven sprocket and a support member.

9. The wheel structure according to claim 8, wherein said wheel damper includes a rubber member and a plurality of projections are disposed on said support member for selectively engaging said rubber member for mitigating a shock being transferred from the driven sprocket to the wheel.

10. The wheel structure according to claim 8, wherein said cylindrical outer collar includes a stepped portion for engagement with said support member.

11. The wheel structure according to claim 8, and further including a bearing for rotatably mounting the driven sprocket relative to the axle.

12. The wheel structure according to claim 8, and further including a dust seal for operatively sealing said first and second bearing relative to ambient conditions.

13. A method for mounting a wheel to an axle, said wheel having a hub which comprises a generally cup-like hub body and a side wall member for closing an opening formed in said hub body, said method comprising the following steps:

connecting said side wall member to said hub body;

inserting a cylindrical outer collar into said hub body through a hub body hole formed in a bottom of the hub body and abutting a tip of said outer collar against said side wall member;

fitting a first bearing into said hub body hole;

inserting a cylindrical inner collar into said outer collar through a side wall hole formed centrally of said side wall member and abutting a tip of said inner collar against said first bearing;

fitting a second bearing into said side wall hole and abutting said second bearing against said inner collar; and

disposing the axle so as to be fitted within said second bearing, said inner

collar and said first bearing.

14. A method for mounting a wheel to an axle, said wheel having a hub which comprises a generally cup-like hub body and a side wall member for closing an opening formed in said hub body, said method comprising the following steps:

connecting said hub body and said side wall member with each other while holding a cylindrical outer collar between the hub body and the side wall member;

fitting a first bearing into a hub body hole formed in a bottom of said hub body;

inserting a cylindrical inner collar into said outer collar through a side wall hole formed centrally of said side wall member and abutting a tip of said inner collar against a first bearing;

fitting a second bearing into said side wall hole and abutting said second bearing against said inner collar; and

disposing the axle so as to be fitted within said second bearing, said inner collar and said first bearing.